

Advisor: _____

Check List
CIS 5107 (Computational Mathematics)
Total 124 credit hours (40 must be Upper Division)
2004 – 2006 Catalog

Student Name _____ SSN: _____

A. Core Curriculum (See Academic Regulations in Catalog) (51 cr. hrs.)

Grade	Area 1. Basic requirements (12 hours)	Date
_____	A. English Composition (Eng 101 and 102 or Eng 111 (WI))	_____
_____	B. Communication (Comm 100)	_____
_____	C. Mathematics (Math 130 or above) * (Math Core)	_____
Grade	Area 2. Humanities and Fine Arts (9 hours)	Date
_____	A. Fine Arts (Art 110 or Mus 110 or Th 110) (Select 1)	_____
_____	B. Literature (Eng 261, 262, 271, 272, 281, 282) (Select 1)	_____
_____	C. Humanities (Eng 150, 305, 261, 262, 271, 272, 281, 282 Phil 201, 212, Art 110, Mus 110, Th 110) (Select 1)	_____
Grade	Area 3. Natural Science and Behavioral Sciences (12 hours)	Date
_____	A. Biology (Bio 101)	_____
_____	B. Phys 151 Elem. College Physics	_____
_____	C. Behavioral Science (Psy 100 or Soc 110) (Select 1)	_____
Grade	Area 4. American Cultural Studies (9 hours)	Date
_____	A. U. S. History (Hist 110 and (Hist 120 or Hist 320))	_____
_____	B. Govt: US, State, & Local Government (PSc 120)	_____
Grade	Area 5. MSSC Special Emphasis (9 hours)	Date
_____	A. International Cultural Studies (Hist 130 or 140, 150, Geog 211, 310, Anth 155, 342, Foreign Language, IB 310, Comm 305, Soc 303, CJAd 301, Phil 320, Eng 385, IntS 201) (Select One)	_____
_____	B. Health and Wellness (Kine 101 and Kine 103)	_____
_____	C. Economics (Econ 180 or Econ 201)	_____

B. CIS Core (See CIS Department in Catalog) (33 cr. hrs.)

Grade	Courses:	Prerequisite:	Date
_____	CIS 110 Programming I (F, S)	Co-req Math 130 >	_____
_____	CIS 210 Programming II (F, S)	CIS 110	_____
_____	CIS 302 Information Systems I (S)		_____
_____	CIS 310 Database Mgmt. Sys. I (F, S)	CIS 210	_____
_____	CIS 315 Computer Networks (F, S)	CIS 110 or CIS 305 or CADD 115 or MM 237	_____
_____	CIS 345 UNIX System Admin (F)	CIS 210 and CIS 315	_____
_____	CIS 350 Data Structures (S)	CIS 210	_____
_____	CIS 410 Information Systems II (WI) (F)	CIS 302	_____
_____	CIS 425 Database Mgmt. Sys. II (WI) (S)	CIS 310 and CIS 410	_____
_____	CIS 435 Data Mining (F)	CIS 310 and (GB 321 or Math 310 or Math 361 or BIO 350)	_____
_____	CIS 450 Operating Systems (WI) (F)	CIS 350 co-req CIS 345	_____

D. Mathematics Core (See CIS Department in Catalog) (33 cr. hrs.)

Grade	Course	Prerequisite	Date
_____	Math 150 Calculus I (F, S)	Math 140 or eligibility	_____
_____	Math 250 Calculus II (F, S)	Math 150	_____
_____	Math 260 Calculus III (F, S)	Math 250	_____
_____	Math 300 Fund. of Mathematical Thought (S)	Math 260	_____
_____	Math 350 Intro. To Num. Analysis (S)	Math 250 and Comp 110 or >	_____
_____	Math 351 Linear Algebra (F, Even)	Math 300	_____
_____	Math 361 Probability and Stats. I (F)	Math 260	_____
_____	Math 371 Operations Research (WI) (F, Odd)	Math 260 and Programming ability	_____
_____	Math Elective	Math 320 or above	_____

E. Supporting Requirements (See CIS Department in Catalog) (10 cr. hrs.)

Grade	Course	Prerequisite	Date
_____	Phys 250 General Physics I	Math 140 co-req Math 150	_____
_____	Phys 260 General Physics II	Math 140 co-req Math 150	_____
_____	Chem 101 General Chemistry (F, S, SS)	Math 140 or Higher level Math course	_____

F. General Electives (See CIS Department in Catalog) (5 cr. hrs.)

Grade	Course	Date
_____	_____	_____
_____	_____	_____
_____	_____	_____